MATHEMATICS OF THE USSR—IZVESTIYA

Том 53, №№ 4–6, 1989

Volume 35, Numbers 1–3 Pages 1–657

Volume Index of Authors

Abrashkin, V. A. Modular representations of the Galois group of a local field, and a generalization of the Shafarevich conjecture 469
Beklemishev, L. D. On the classification of propositional provability logics ... 247
Bloshanskiĭ, I. L. The structure and geometry of maximal sets of convergence and unbounded divergence almost everywhere of multiple Fourier series of functions in L_1 equal to zero on a given set 1
Bogoyavlenskiĭ, O. I. Breaking solitons. II 245
Bondal, A. I. and Kapranov, M. M. Representable functors, Serre functors, and mutations 519
Bukhshtaber, V. M. and Kholodov, A. N. Groups of formal diffeomorphisms of the superline, generating functions for sequences of polynomials, and functional equations 277
Degtyarev, A. I. Classification of surfaces of degree four having a non-simple singular point 607
Gubreev, G. M. Spectral analysis of biorthogonal expansions of functions, and exponential series 573
Ivanov, A. A. Distance-transitive graphs admitting elations 307
Katkova, O. M. and Ostrovskii, I. V. Zero sets of entire generating functions of Pólya frequency sequences of finite order 101
Klyachko, A. A. Equivariant bundles on toral varieties 337
Korobov, V. I. and Sklyar, G. M. Time-optimal control and the trigonometric moment problem 203
Kuz'min, L. V. Some remarks on the l-adic regulator. II 113
Lysënok, I. G. On some algorithmic properties of hyperbolic groups 145
Mokhov, O. I. Commuting differential operators of rank 3, and nonlinear differential equations 629
Movsisyan, Yu. M. The multiplicative group of a field and hyperidentities ... 377
Nikulin, V. V. Del Pezzo surfaces with log-terminal singularities. III 657
Pinchuk, S. I. and Tsyganov, Sh. I. The smoothness of CR-mappings between strictly pseudoconvex hypersurfaces 457
Pozhidaev, A. V. and Yurinskiĭ, V. V. On the error of averaging symmetric elliptic systems 183

Skaskiv, O. B. On Wiman's theorem concerning the minimum modulus of a function analytic in the unit disc 165
Smirnov, V. A. On the chain complex of an iterated loop space 445
Sternin, B. Yu. and Shatalov, V. E. On the solvability of the first Cousin problem for a class of multivalued analytic functions 393
Telyakovskiĭ, D. S. Generalization of a theorem of Men′shov on monogenic functions 221
Tikhomirov, A. S. Smoothness of the moduli scheme of instanton vector bundles with $c_1 = 0$, $c_2 = n$ on P^3 233
Turaev, V. G. Operator invariants of tangles, and R-matrices 411
Varchenko, A. N. The Euler beta-function, the Vandermonde determinant, Legendre's equation, and critical values of linear functions on a configuration of hyperplanes. I 543
Zaĭdenberg, M. G. A function-field analog of the Mordell conjecture: A noncompact version 61
Zharinov, V. V. Extrinsic geometry of differential equations and Green's formula 37
Zograf, P. G. and Takhtadzhyan, L. A. On the geometry of moduli spaces of vector bundles over a Riemann surface 83